

Crestabond provides lightweight structural strength for e-VTOL.

Company - Electric Aircraft Concept

Location - Caromb, France

Since 2017, EAC have been building heavy load drones and e-VTOL (electric-Vertical Take Off and Landing) designed to carry two passengers.





Scott Bader products used - Crestabond M1-30

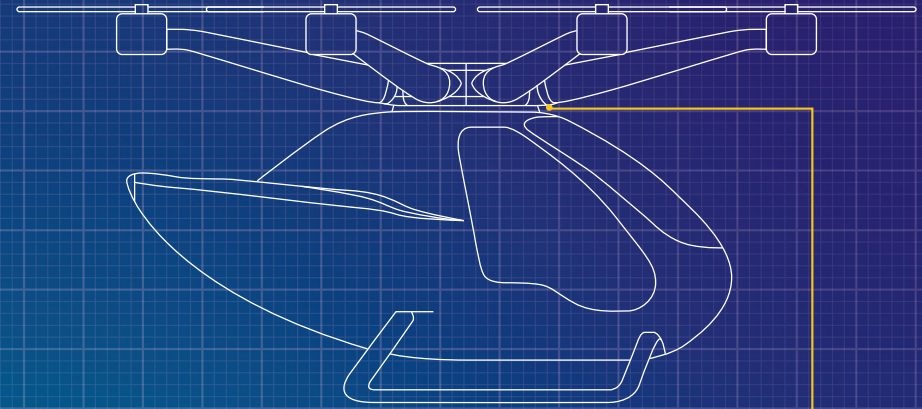
Challenge

Electric Aircraft Concept faced the challenge of creating a e-VTOL (electric-Vertical Take Off and Landing) light enough to fly a substantial distance.

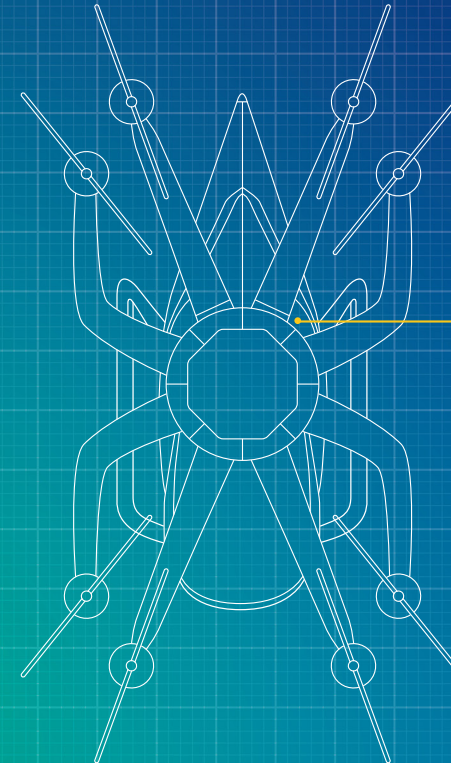
Solution

Electric Aircraft Concept applied Scott Bader's Crestabond M1-30 to bond the rotary arms to the rotary head and the hinges within the specially designed folding arms of the e-VTOL.

Scott Bader and EAC used their expertise to apply Crestabond structural adhesive in replacement of mechanical fixings, making the e-VTOL lighter, more fuel efficient and able to fly further due to its market leading strength.



Crestabond® is used to bond drone rotary arms to the rotary head.





Key advantages

EAC chose to work with Scott Bader due to their excellent technical support, making the use of Crestabond M1-30 simple and efficient. M1-30 is a toughened MMA adhesive that demonstrates excellent adhesion to dissimilar substrates including metals, plastics and composite materials. It is specifically designed for industrial use.

Results

Crestabond offers the e-VTOL exceptional durability with reduced mechanical fixings, making it lighter and more fuel efficient. Still with the strength and ability to carry two passengers.

Yves Percy, Owner of EAC

“The use of Scott Bader products has allowed us to lighten the weight of our e-VTOL without the loss of structural integrity. Scott Bader supplied us with high quality products and excellent technical support service.”





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